BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to roads and drains at Varadarajanagar and surrounding areas in ward no.11 in Kuvempunagar

PRE MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item No. 01		Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work									
Measurements taken on		22/09/2021									
		Varadraj nagar									
		Smr Apartment 3rd Main Road									
		LHS									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
30	45		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
45	48.4		Cum	1	3.40	1.10	1.10	1.10	0.90	3.37	
48.4	56.5		Cum	1	8.10	1.10	1.10	1.10	0.90	8.02	
56.5	71.5		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
71.5	86.5		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
86.5	101.5		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
101.5	116.5		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
116.5	126.5		Cum	1	10.00	1.10	1.10	1.10	0.90	9.90	
126.5	147.9	No Work	Cum	1	0.00	1.10	1.10	1.10	0.90	0.00	
147.9	162.9		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
162.9	177.9		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
177.9	188.6		Cum	1	10.70	1.10	1.10	1.10	0.90	10.59	
188.6	190.6		Cum	1	2.00	1.10	1.10	1.10	0.90	1.98	
190.6	203.1		Cum	1	12.50	1.10	1.10	1.10	0.90	12.38	
203.1	209.5	Old Culvert	Cum	1	0.00	1.10	1.10	1.10	0.90	0.00	
209.5	224.5		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
224.5	234.6		Cum	1	10.10	1.10	1.10	1.10	0.90	10.00	
234.6	242.4		Cum	1	7.80	1.10	1.10	1.10	0.90	7.72	
242.4	254.7		Cum	1	12.30	1.10	1.10	1.10	0.90	12.18	
254.7	266.2		Cum	1	11.50	1.10	1.10	1.10	0.90	11.39	
		RHS									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
15	27.8		Cum	1	12.80	1.10	1.10	1.10	0.90	12.67	
27.8	36.7		Cum	1	8.90	1.10	1.10	1.10	0.90	8.81	
36.7	40.2		Cum	1	3.50	1.10	1.10	1.10	0.90	3.47	
40.2	46.1		Cum	1	5.90	1.10	1.10	1.10	0.90	5.84	
46.1	55.5		Cum	1	9.40	1.10	1.10	1.10	0.90	9.31	
55.5	64.6	No Work	Cum	1	0.00	1.10	1.10	1.10	0.90	0.00	
64.6	68.6		Cum	1	4.00	1.10	1.10	1.10	0.90	3.96	
68.6	80.8		Cum	1	12.20	1.10	1.10	1.10	0.90	12.08	
80.8	89.1	Culvert	Cum	1	0.00	1.10	1.10	1.10	0.90	0.00	
89.1	107.6		Cum	1	18.50	1.10	1.10	1.10	0.90	18.32	
107.6	114.6	Culvert	Cum	1	0.00	1.10	1.10	1.10	0.90	0.00	
114.6	129.6		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
129.6	144.6		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
144.6	151.3		Cum	1	6.70	1.10	1.10	1.10	0.90	6.63	
151.3	160.3	Culvert	Cum	1	0.00	1.10	1.10	1.10	0.90	0.00	
160.3	175.3		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
175.3	184.6		Cum	1	9.30	1.10	1.10	1.10	0.90	9.21	
184.6	192.4	No Work	Cum	1	0.00	1.10	1.10	1.10	0.90	0.00	
192.4	207.4		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
207.4	222.4		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
222.4	225.2		Cum	1	2.80	1.10	1.10	1.10	0.90	2.77	
225.2	231.8	No Work	Cum	1	0.00	1.10	1.10	1.10	0.90	0.00	

4/8/18

Contractor PMC Assistant Engineer Assistant Executive Engineer

Executive Engineer, Nagar, Sub-Division, DL, BBMP, Bangalore

Assistant Executive Engineer Vidyaranyapura Sub Division B.B.M.P, Bangalore - 97

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to roads and drains to Varadarajanagar and surrounding areas in ward no.11 in Kuvempunagar

PRE MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
231.8	246.8		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	4-18-18
246.8	256.6		Cum	1	9.80	1.10	1.10	1.10	0.90	9.70	
256.6	271.8		Cum	1	15.20	1.10	1.10	1.10	0.90	15.05	
		Slamp Board Back Side									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
30	45		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
45	60		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
60	75		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
75	90		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
90	105		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
105	120		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
120	135		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
135	150		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
150	165		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
165	176.2		Cum	1	11.20	1.10	1.10	1.10	0.90	11.09	
		Prakruthi Layout dead End Road									
		RHS									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
30	45		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
45	53.5		Cum	1	8.50	1.10	1.10	1.10	0.90	8.42	
		Rajeshwari Layout									
		Main Road									
		RHS									
0	15		Cum	1	15.00	1.10	1.10	1.10	1.05	17.33	
15	30		Cum	1	15.00	1.10	1.10	1.10	1.05	17.33	
30	45		Cum	1	15.00	1.10	1.10	1.10	1.05	17.33	
45	52.8		Cum	1	7.80	1.10	1.10	1.10	1.05	9.01	
52.8	59.7	Culvert	Cum	1	0.00	0.20	0.20	0.20	0.00	0.00	
59.7	75		Cum	1	15.30	1.10	1.10	1.10	1.20	20.20	
75	83.6		Cum	1	8.60	1.10	1.10	1.10	1.20	11.35	
83.6	91.2	Culvert	Cum	1	0.00	0.20	0.20	0.20	0.00	0.00	
91.2	105		Cum	1	13.80	1.10	1.10	1.10	1.20	18.22	
105	115.4		Cum	1	10.40	1.10	1.10	1.10	1.20	13.73	
115.4	123.2	Culvert	Cum	1	0.00	0.20	0.20	0.20	0.00	0.00	
123.2	135		Cum	1	11.80	1.10	1.10	1.10	1.20	15.58	
135	147.4		Cum	1	12.40	1.10	1.10	1.10	1.20	16.37	
147.4	155.3	No Work	Cum	1	0.00	0.20	0.20	0.20	0.00	0.00	
155.3	165		Cum	1	9.70	1.10	1.10	1.10	1.25	13.34	
165	180		Cum	1	15.00	1.10	1.10	1.10	1.25	20.63	
180	195		Cum	1	15.00	1.10	1.10	1.10	1.25	20.63	
195	210		Cum	1	15.00	1.10	1.10	1.10	1.20	19.80	
210	225		Cum	1	15.00	1.30	1.30	1.30	1.20	23.40	
225	240		Cum	1	15.00	1.30	1.30	1.30	1.20	23.40	
240	255		Cum	1	15.00	1.30	1.30	1.30	1.20	23.40	
255	270		Cum	1	15.00	1.30	1.30	1.30	1.20	23.40	
270	285		Cum	1	15.00	1.30	1.30	1.30	1.20	23.40	
285	300		Cum	1	15.00	1.30	1.30	1.30	1.20	23.40	
300	315		Cum	1	15.00	1.30	1.30	1.30	1.20	23.40	
315	330		Cum	1	15.00	1.30	1.30	1.30	1.20	23.40	
330	345		Cum	1	15.00	1.30	1.30	1.30	1.20	23.40	
345	360		Cum	1	15.00	1.30	1.30	1.30	1.20	23.40	

1143.45

Assistant Executive Engineer, Nagar Sub-Division, DL, BBMP, Bangalore

Contractor PMC

Assistant Engineer

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to roads and drains to Varadarajanagar and surrounding areas in ward no.11 in Kuvempunagar

PRE MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Remarks
From	To				(m)	B1	B2	Avg B	(m)		
360	375		Cum	1	15.00	1.30	1.30	1.30	1.20	23.40	
375	384.3		Cum	1	9.30	1.30	1.30	1.30	1.25	15.11	
		Culvert									
		Prakruthi Layout									
			Cum	1	5.40	1.70	1.70	1.70	0.95	8.72	
		Ramchandrapura									
			Cum	1	4.00	1.70	1.70	1.70	1.25	8.50	
			Cum	1	4.00	1.70	1.70	1.70	1.25	8.50	
									Total	**1214.22**	

Assistant Executive Engi
Vidyaranyapura Sub Div
B.B.M.P, Bangalore -

RUDRAPRASAD CONSULTANTS BANGALORE

Contractor PMC Assistant Engineer Assistant Executive Engineer

Assistant Executive Engineer
Nagar, Sub-Division,
DL, BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to roads and drains to Varadarajanagar and surrounding areas in ward no.11 in Kuvempunagar

PRE MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item No. 02		Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications and as per the directions of the Engineer-in-charge of the work									
Measurements taken on		29/09/2021									
		Varadraj nagar									
		Smr Apartment 3rd Main Road									
		LHS									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
30	45		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
45	48.4		Cum	1	3.40	1.10	1.10	1.10	0.15	0.56	
48.4	56.5		Cum	1	8.10	1.10	1.10	1.10	0.15	1.34	
56.5	71.5		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
71.5	86.5		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
86.5	101.5		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
101.5	116.5		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
116.5	126.5		Cum	1	10.00	1.10	1.10	1.10	0.15	1.65	
126.5	147.9	No Work	Cum	1	0.00	1.10	1.10	1.10	0.15	0.00	
147.9	162.9		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
162.9	177.9		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
177.9	188.6		Cum	1	10.70	1.10	1.10	1.10	0.15	1.77	
188.6	190.6		Cum	1	2.00	1.10	1.10	1.10	0.15	0.33	
190.6	203.1		Cum	1	12.50	1.10	1.10	1.10	0.15	2.06	
203.1	209.5	Old Culvert	Cum	1	0.00	1.10	1.10	1.10	0.15	0.00	
209.5	224.5		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
224.5	234.6		Cum	1	10.10	1.10	1.10	1.10	0.15	1.67	
234.6	242.4		Cum	1	7.80	1.10	1.10	1.10	0.15	1.29	
242.4	254.7		Cum	1	12.30	1.10	1.10	1.10	0.15	2.03	
254.7	266.2		Cum	1	11.50	1.10	1.10	1.10	0.15	1.90	
		RHS									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
15	27.8		Cum	1	12.80	1.10	1.10	1.10	0.15	2.11	
27.8	36.7		Cum	1	8.90	1.10	1.10	1.10	0.15	1.47	
36.7	40.2		Cum	1	3.50	1.10	1.10	1.10	0.15	0.58	
40.2	46.1		Cum	1	5.90	1.10	1.10	1.10	0.15	0.97	
46.1	55.5		Cum	1	9.40	1.10	1.10	1.10	0.15	1.55	
55.5	64.6	No Work	Cum	1	0.00	1.10	1.10	1.10	0.15	0.00	
64.6	68.6		Cum	1	4.00	1.10	1.10	1.10	0.15	0.66	
68.6	80.8		Cum	1	12.20	1.10	1.10	1.10	0.15	2.01	
80.8	89.1	Culvert	Cum	1	0.00	1.10	1.10	1.10	0.15	0.00	
89.1	107.6		Cum	1	18.50	1.10	1.10	1.10	0.15	3.05	
107.6	114.6	Culvert	Cum	1	0.00	1.10	1.10	1.10	0.15	0.00	
114.6	129.6		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
129.6	144.6		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
144.6	151.3		Cum	1	6.70	1.10	1.10	1.10	0.15	1.11	
151.3	160.3	Culvert	Cum	1	0.00	1.10	1.10	1.10	0.15	0.00	
160.3	175.3		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
175.3	184.6		Cum	1	9.30	1.10	1.10	1.10	0.15	1.53	
184.6	192.4	No Work	Cum	1	0.00	1.10	1.10	1.10	0.15	0.00	
192.4	207.4		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	

Assistant Executive Engineer, R. Nagar, Sub-Division, PMC, BBMP, Bangalore

Contractor

PRAPRASAD CONSULTANTS BANGALORE

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P. Bangalore - 97

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to roads and drains to Varadarajanagar and surrounding areas in ward no.11 in Kuvempunagar

PRE MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
07.4	222.4		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
22.4	225.2		Cum	1	2.80	1.10	1.10	1.10	0.15	0.46	
25.2	231.8	No Work	Cum	1	0.00	1.10	1.10	1.10	0.15	0.00	
31.8	246.8		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
46.8	256.6		Cum	1	9.80	1.10	1.10	1.10	0.15	1.62	
56.6	271.8		Cum	1	15.20	1.10	1.10	1.10	0.15	2.51	
		Stamp Board Back Side									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
30	45		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
45	60		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
60	75		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
75	90		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
90	105		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
105	120		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
120	135		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
135	150		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
150	165		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
165	176.2		Cum	1	11.20	1.10	1.10	1.10	0.15	1.85	
		Prakruthi Layout dead End Road									
		RHS									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
30	45		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
45	53.5		Cum	1	8.50	1.10	1.10	1.10	0.15	1.40	
		Rajeshwari Layout									
		Main Road									
		RHS									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
30	45		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
45	52.8		Cum	1	7.80	1.10	1.10	1.10	0.15	1.29	
52.8	59.7	Culvert	Cum	1	0.00	0.20	0.20	0.20	0.00	0.00	
59.7	75		Cum	1	15.30	1.10	1.10	1.10	0.15	2.52	
75	83.6		Cum	1	8.60	1.10	1.10	1.10	0.15	1.42	
83.6	91.2	Culvert	Cum	1	0.00	0.20	0.20	0.20	0.00	0.00	
91.2	105		Cum	1	13.80	1.10	1.10	1.10	0.15	2.28	
105	115.4		Cum	1	10.40	1.10	1.10	1.10	0.15	1.72	
115.4	123.2	Culvert	Cum	1	0.00	0.20	0.20	0.20	0.00	0.00	
123.2	135		Cum	1	11.80	1.10	1.10	1.10	0.15	1.95	
135	147.4		Cum	1	12.40	1.10	1.10	1.10	0.15	2.05	
147.4	155.3	No Work	Cum	1	0.00	0.20	0.20	0.20	0.00	0.00	
155.3	165		Cum	1	9.70	1.10	1.10	1.10	0.15	1.60	
165	180		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
180	195		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
195	210		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
210	225		Cum	1	15.00	1.30	1.30	1.30	0.15	2.93	
225	240		Cum	1	15.00	1.30	1.30	1.30	0.15	2.93	
240	255		Cum	1	15.00	1.30	1.30	1.30	0.15	2.93	
255	270		Cum	1	15.00	1.30	1.30	1.30	0.15	2.93	
270	285		Cum	1	15.00	1.30	1.30	1.30	0.15	2.93	
285	300		Cum	1	15.00	1.30	1.30	1.30	0.15	2.93	
300	315		Cum	1	15.00	1.30	1.30	1.30	0.15	2.93	

Contractor PMC Assistant Engineer Assistant Executive Engineer

Executive Engineer, Nagar, Sub-Division, DL, BBMP, Bangalore

Assistant Executive Engineer Vidyaranyapura Sub Division B.B.M.P. Bangalore - 97

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to roads and drains to Varadarajanagar and surrounding areas in ward no.11 in Kuvempunagar

PRE MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Remarks
	To				(m)	B1	B2	Avg B	(m)		
	330		Cum	1	15.00	1.30	1.30	1.30	0.15	2.93	164.34
	345		Cum	1	15.00	1.30	1.30	1.30	0.15	2.93	
	360		Cum	1	15.00	1.30	1.30	1.30	0.15	2.93	
	375		Cum	1	15.00	1.30	1.30	1.30	0.15	2.93	
	384.3		Cum	1	9.30	1.30	1.30	1.30	0.15	1.81	
		Culvert									
		Prakruthi Layout									
			Cum	1	5.40	1.70	1.70	1.70	0.15	1.38	
		Ramchandrapura									
			Cum	1	4.00	1.70	1.70	1.70	0.15	1.02	
			Cum	1	4.00	1.70	1.70	1.70	0.15	1.02	
									Total	**181.27**	

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Assistant Executive Engineer,
Contract Sub-Division, PMC
BBMP, Bangalore

BANGALORE

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to roads and drains to Varadarajanagar and surrounding areas in ward no.11 in Kuvempunagar

PRE MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item No. 04		Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
Measurements taken on		04/10/2021									
		For Drain	Tonne	From steel calculation sheet						25.62	
		For Culvert	Tonne	From steel calculation sheet						0.84	
									Total	**26.46**	

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Assistant Executive Engineer,
Nagar, Sub-Division,
BBMP, Bangalore

PRASAD CONSULTANTS BANGALORE

Contractor PMC Assistant Engineer Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to roads and drains to Varadarajanagar and surrounding areas in ward no.11 Kuvempunagar

PRE MEASUREMENT SHEET

First And Final Bill

STEEL CALCULATION

SI NO	Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
			mm			m	m	kg/m	Kg's
Item No. 04	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work								
Measurements Taken On;	04/10/2021								
	For RCC Drain								
	Varadraj nagar								
	Smr Apartment 3rd Main Road								
	LHS								
	Main Bars (#12@150 c/c)	1	12	1589	1589	2.40	3814.40	0.89	3386.48
	Distribution(13-#10)	1	10	13	13	238.40	3099.20	0.62	1910.77
	RHS								
	Main Bars (#12@150 c/c)	1	12	1493	1493	2.40	3584.00	0.89	3181.93
	Distribution(13-#10)	1	10	13	13	224.00	2912.00	0.62	1795.36
	Slamp Board Back								
	Main Bars (#12@150 c/c)	1	12	1175	1175	2.40	2819.20	0.89	2502.93
	Distribution(13-#10)	1	10	13	13	176.20	2290.60	0.62	1412.24
	Prakruthi Layout dead End Road								
	Main Bars (#12@150 c/c)	1	12	357	357	2.40	856.00	0.89	759.97
	Distribution(14-#10)	1	10	14	14	53.50	749.00	0.62	461.79

Assistant Executive Engineer, Vidyaranyapura Sub Division, B.B.M.P, Bangalore - 97

Assistant Executive Engineer, Rajajinagar, Sub-Division, RIDL, BBMP, Bangalore

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant Executive Engineer

	Rajeshwari Layout								
	Main Road								
	RHS								
	Main Bars (#12@150 c/c)	1	12	2361	2361	3.10	7318.07	0.89	6497.08
	Distribution(17-#10)	1	10	17	17	354.10	6019.70	0.62	3711.37
								TOTAL QTY IN TONNE	**25619.91**
								TOTAL QTY IN TONNE	**25.62**
	For Culvert								
	Prakruthi Layout								
	12# @150 c/c main bars	1	12	36	36	5.70	205.20	0.89	182.18
	10# @160 c/c Distrubution bars	1	10	36	36	5.40	192.38	0.62	118.61
	Ramchandrapura								
	12# @150 c/c main bars	1	12	27	27	6.90	184.00	0.89	163.36
	10# @160 c/c Distrubution bars	1	10	43	43	4.00	172.50	0.62	106.35
	12# @150 c/c main bars	1	12	27	27	6.90	184.00	0.89	163.36
	10# @160 c/c Distrubution bars	1	10	43	43	4.00	172.50	0.62	106.35
								TOTAL QTY IN KG'S	**840.21**
								TOTAL QTY IN TONNE	**0.84**
								TOTAL QTY IN KG'S	**26460.12**
								TOTAL QTY IN TONNE	**26.46**

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Assistant Executive Engineer,
Contractor, Sub-Division,
KRIDL, BBMP, Bangalore

RUDRAPRASAD CONSULTANTS BANGALORE

PMC

Assistant Engineer

Assistant Executive Engineer